

Abstract of the Disclosure

A method converts range data of an object to a model of the object by first generating an adaptively sampled distance field from the range data. The adaptively sampled distance field is then edited to produce the model. The range data can include a plurality of range images that are converted to range meshes in a single coordinate system, and an adaptively sampled distance field is generated for each of the range meshes.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100